BMDW BI-METAL DRYWALL SCREW 4.8mm ØD[1]
DECLARATION OF PERFORMANCE
REV. A

DoP No.: EVO-14566-0012-A

Date of issue: 13th November 2026

[1] ØD = nominal diameter of the product,

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No. EVO-14566-0012-A

1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE

BMDW4.8-32,
BMDW4.8-42,
BMDW4.8-50,
BMDW4.8-70.

The product-type is described in Table 01. All harmonised technical specification (hEN) clauses refer to those in EN 14566:2008+A1:2009 unless noted otherwise.

Table 01: Product-type description

Property	Declared value	hEN clause(s)
Fastener type	Plasterboard screw, self-drilling point (type D)	3.1.2; 4.4.3.3
Head form and drive	Double countersunk head with four nibs; Phillips No. 2 recess	Descriptive only
Thread form	Hi-low thread	Descriptive only
Point	Self-drilling point (TEK 2); drilling capacity 0.6 mm to 2.5 mm steel	4.4.3.3
Parent material and specification	Head and shank: austenitic stainless steel, grade A2 (EN 1.4301; AISI 304). Drill point: carbon steel; SAE C1022	4.4.3.1
Corrosion protection coating	Electroplated zinc, thickness ≥ 5 µm	4.4.1
Nominal diameter, d	4.8 mm	Descriptive only
Length, l_{nom}	32.0, 42.0, 50.0 and 70.0 mm	4.4.3.4
Dimensions and tolerances	Manufacturer's product datasheet EVO-DS-DW-BM-0134	4.4.3.4

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2. INTENDED USE

Mechanical fasteners for gypsum plasterboard systems, as set out in EN 14566:2008+A1:2009, clause 1 and Annex ZA: plasterboard screws for the fixing of gypsum plasterboards, gypsum boards with fibrous reinforcement, products from secondary processing and suitable ancillary products to timber and metal in building construction works, for the construction of the framing and for fixing boards together.

Use foreseen by the manufacturer within that scope: fixing boards to timber framing and to metal framing 0.6 mm to 2.5 mm thick in humid atmospheres.

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3. MANUFACTURER

Evolution Fasteners (UK) Ltd
Clyde Gateway Trade Park
Dalmarnock Road
Glasgow
G73 1AN
United Kingdom

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4. AUTHORISED REPRESENTATIVE

Authorised representatives established within the Union, each holding a mandate covering the tasks specified in Article 12(2) of Regulation (EU) No 305/2011:

Evolution Fasteners (IE) Ltd
Finglas Business Centre
Jamestown Road
Finglas
Dublin 11
Ireland

Evolution Fasteners (NL) B.V.
Pastoorslaan 57
2182 BW Hillegom
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5. SYSTEM OF AVCP

System 4, as set out in Annex V of Regulation (EU) No 305/2011, applicable to mechanical fasteners for gypsum plasterboard systems (EN 14566:2008+A1:2009, Annex ZA).

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6(A). HARMONISED STANDARD

Harmonised standard:	EN 14566:2008+A1:2009, *Mechanical fasteners for gypsum plasterboard systems - Definitions, requirements and test methods*.
Notified body:	Not applicable. Under System 4 the manufacturer carries out the determination of the product-type and operates factory production control; no notified body is involved.

6(B). EUROPEAN ASSESSMENT DOCUMENT

Not applicable.

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7. DECLARED PERFORMANCES

The declared performances for the intended use given in section 2 are given in Table 02. All harmonised technical specification (hEN) clauses refer to those in EN 14566:2008+A1:2009 unless noted otherwise.

Table 02: Declared performances		
Essential characteristic	**Performance (value and unit)**	**hEN clause**
Essential characteristics		
Reaction to fire[2]	Class A1	4.1
Flexural strength (bending behaviour)[3]	Pass	4.2
Release of dangerous substances	NPD[4]	4.3
Additional requirements		
Protective treatment[5]	Zinc coating ≥ 5 µm (35 g/m²)	4.4.1
Materials and manufacture	Stainless steel A2 head and shank Carbon steel SAE C1022 drill point	4.4.3.1
Withdrawal force[6]	≥ 450 N: Pass	4.4.3.2
Point[7]	Self-drilling (type D): Pass	4.4.3.3
Length	As Table 01: Pass	4.4.3.4
Hardness[8]	NPD[4]	4.4.3.5

The declared performances are based on type testing carried out by the manufacturer under System 4 and are carried forward from Declaration of Performance No. 07DW-22-A, which this declaration supersedes for the product-type described in Table 01. The declared performances apply only to that product-type.

[2] Steel fasteners are classified A1 (EN 13501-1) without testing,
[3] Tested in accordance with 5.5: no fastener showed signs of breakage or cracking,
[4] No performance determined,
[5] Zinc coating, determined in accordance with 5.7,
[6] Tested in accordance with 5.4,
[7] Penetration of steel sheet up to 2 mm thick in not more than 4 s, tested in accordance with 5.6,
[8] Case hardened to a minimum depth of 0.05 mm; hardness to EN ISO 6508-1,

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8. APPROPRIATE TECHNICAL DOCUMENTATION AND/OR SPECIFIC TECHNICAL DOCUMENTATION

Not applicable.

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9. AUTHORISATION STATEMENT

THE PERFORMANCE OF THE PRODUCT IDENTIFIED ABOVE IS IN CONFORMITY WITH THE SET OF DECLARED PERFORMANCES. THIS DECLARATION OF PERFORMANCE IS ISSUED, IN ACCORDANCE WITH REGULATION (EU) NO 305/2011, UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER IDENTIFIED ABOVE.

Signed for and on behalf of the manufacturer by:



EUR ING Ryan Murphy (Chartered Engineer)
TECHNICAL DIRECTOR
At Glasgow, United Kingdom on 13th November 2026

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10. REVISION HISTORY

Table 03: Revision history			
Rev. No.	**Comment(s)**	**Auth'd**	**Date**
A	Original issue.	RM	13 Nov 26

[END OF DOCUMENT]

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